Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

Data Sheet
Fujitsu ESPRIMO Q900 Desktop PC

The mini with more PC per ccm3

A real eye-catcher on your desk and everywhere else the extremely small, quiet and elegant ESPRIMO Q900. The versatile mini PC combines the performance of a full featured desktop PC, low power consumption and certification for ENERGY STAR®, minimal noise emission thanks to an innovative fan concept, state-of-the-art ports, such as USB 3.0, DisplayPort, DVI and an optional multi-card reader as well as system management functions in the size of a CD cover and a volume of only 1.6 liters.

An elegant PC for challenging tasks
Eye-catcher on every desk with a modern and exclusive design
- Fully equipped mini PC with a volume of 1.6 liters weighing 1.4 kg

A black shell and a green core
The most energy-efficient computer of our ESPRIMO series reduces your energy consumption
- Intel® Mobile Technology for 13-watt power consumption in idle mode, extended power management settings and an up to 90% energy efficient AC adapter

Small, flexible and powerful
Intelligent performance using state-of-the-art Intel technology and high flexibility to meet all requirements
- Up to Intel® Core™i5 processor, Genuine Windows® 7 Professional, up to 8 GB memory, 500 GB hard disk drive, 5 USB 2.0 ports, 2 USB 3.0 ports, a display port and multi-card reader

System management
Simple system administration for complex IT infrastructures
- Intel® vPro™ technology (depending on CPU) and DeskView manageability

Quiet
Pleasant working environment due to an extremely quiet system
- New fan concept for even lower noise levels

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Components

Processor	Intel® Core™ i5-2520M processor (2 Cores / 4 Threads, 2.5 GHz, 3 MB, Intel® HD Graphics 3000)
	Intel® Core™ i3-2310M processor (2 Cores / 4 Threads, 2.10 GHz, 3 MB, Intel® HD Graphics 3000) *
	Intel® Pentium® processor B940 (2 Cores / 2 Threads, 2.00 GHz, 2 MB, Intel® HD Graphics) **
	Intel® Celeron® processor B810 (2 Cores / 2 Threads, 1.60 GHz, 2 MB, Intel® HD Graphics)
	*Processor only for SMB, education and government#**Processor only for SMB
Operating system	
Operating system	Genuine Windows® 7 Home Basic (EM) 32-bit Genuine Windows® 7 Home Premium 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Professional 64-bit
Operating system compatible	Genuine Windows Vista® Genuine Windows® XP
Operating system notes	Buy Microsoft® Office 2010 to use the full-featured Office software on this PC. Limited Windows XP support. Microsoft discontinued Windows XP certification on system level.
Memory modules	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1333 MHz, PC3-10600, SO DIMM
	4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1333 MHz, PC3-10600, SO DIMM
Hard disk drives (internal)	SSD SATA, 128 GB, 2.5-inch, full disk encryption
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 5400 rpm, 500 GB, 2.5-inch*
	SATA II, 5400 rpm, 320 GB, 2.5-inch*
	SATA, 5400 rpm, 250 GB, 2.5-inch
Hard disk notes	*Disk imaging software of the customer must be 4k sector size / advanced format ready Up to 18 GB of HDD space is reserved for system recovery
Graphics add on cards (optional)	DP to DVI-D (single link) Adapter Cable
Drives (optional)	Blu-ray Combo SATA Slot-in slim
	Card Reader 8-in-1 ESPRIMO Q
	DVD Super Multi Slot-in slim
Interface add on cards/components (optional)	
	WLAN 2x2 agn
	Bluetooth Q900
Base unit	ESPRIMO Q900
Mainboard	
Formfactor	proprietary
Chipset	Intel® QM67
Processor socket	rPGA 989A/B
Processor quantity maximum	1
Memory slots	2 SO DIMM (DDR3, 1333 MHz)
Memory frequency	1333 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)
LAN	10/100/1000 MBit/s Intel® 82579 LM
Integrated WLAN	1 (optional)
BIOS version	AMI Aptio 4.6

Mainboard	
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Realtek ALC662
Audio features	Support of high-definition audio for S/PDIF output with up to 5.1 channels
I/O controller on board	
Serial ATA total	1
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI
Interfaces	
Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out / headphones / SPDIF	1 (optical)
USB 2.0 total	5
USB 3.0 total	2
USB front	2
USB rear	5
VGA	1 (via DVI to VGA adapter)
DisplayPort	1
DVI	DVI-I
Ethernet (RJ-45)	1
Kensington Lock support	1
Interface Module notes	Anytime USB charge functionality
Input device / components	
	Optical USB tilt wheel mouse
Drive bays	
Drive bays total	2
2.5-inch bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in
Graphics on board	
Graphics brand name	Intel® HD Graphics or HD Graphics 3000 (depending on CPU)
Shared video memory	up to 1759 MB
Refresh rate 1024 x 768 (recommended / max.)	- / -
Refresh rate 1280 x 1024 (recommended / max.)	- / -
Refresh rate 1600 x 1200 (recommended / max.)	- / -
TFT resolution (VGA)	1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel

Graphics on board	
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
TFT resolution (DisplayPort)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel 2560 x 1440 pixel 2560 x 1600 pixel
Graphics features	DirectX® 10.1 support HDCP support Dual display support OpenGL® 2.1
Graphics notes	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz
Electrical values	
Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 87% / 90% / 87%
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	external (90W)
Power consumption	
Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=ca024c84-ccbf-459f-b9eb-b5fb049daa11
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise for standard configuration (HDD, ODD)	
Noise emission	According to ISO9296
Related Processors for noise	Intel® Core i5-2540M
Noise Operation mode 1: ODD load (Blue angel requirement)	4.7 B / 33.5 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.2 B / 18.5 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.8 B / 34 dB(A)
Noise Operation mode 4: High load	4.8 B / 34.4 dB(A)
Noise Operation mode 5: Office applications	3.3 B / 18.4 dB(A)
Idle mode (Blue Angel requirement)	3.2 B / 18.0 dB(A)
Noise notes / description	Noise for standard configuration CPU, HDD, ODD; A weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)), (bystander position) (ISO9296)
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	165 x 168 x 57 mm
Operating position	Backpack solution (optional)
Weight	approx. 1.4 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35C

Compliance	
Product	ESPRIMO Q900
Model	MPC-D1009
Germany	Blauer Engel / Blue Angel in progress
Europe	CE Nordic Swan
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® EPEAT® Gold (dedicated regions)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Additional Software	
Additional software (preinstalled)	Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) Nero 9 Essentials XL CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics)
Manageability	
Manageability technology	PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 7.0 DeskUpdate Driver management
Manageability software	DeskView 10.x client management including: DASH 1.1 remote system management
DeskView components	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html
Security	
System protection	Kensington Lock support
Audit proof protection	Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
Access protection	User and supervisor BIOS password Hard disk password Optional: Access protection via external SmartCard reader
Packaging information	
Packaging dimension	395x198x284 mm
Max. quantity / pallet	48
Material - Weight (g) Carton	670g
Material - Weight (g) EPS / PS	appr. 10 g
Material - Weight (g) PE	appr. 125 g
Packaging notes	printed user documentation is bleached in chlorin free process

Warranty	
Standard Warranty	3 years
Service level	Bring-In / On-Site Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu ESPRIMO Q900, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO Q900, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/ESPRIMO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/

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